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L1	0	packet\$1.clm. and negotiat\$3.clm. and communication.clm. and parameter\$1.clm. and voice.clm. and automatical\$3.clm. and operation\$3.clm. and vendor.clm. and "line rate".clm. and test\$3.clm. and encod\$3.clm. and gateway.clm. and protocol.clm. and "operating mode".clm.	USPAT	OR	OFF	2006/04/17 18:50
L2	0	packet\$1 and negotiat\$3 and communication and parameter\$1 and voice and automatical\$3 and operation\$3 and vendor and "line rate" and test\$3 and encod\$3 and gateway and protocol and "operating mode"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/17 18:51
L3	56	packet\$1 and negotiat\$3 and communication and parameter\$1 and voice and automatical\$3 and operation\$3 and vendor and test\$3 and encod\$3 and gateway and protocol and "operating mode"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/17 18:52
L4	714	726/13 or 726/12 or 713/151 or 713/154	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/17 18:53
L5	5	726/13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/17 18:53
L6	1	4 and 3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/17 18:53



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Terms used

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Best 200 shown

1 [Mobility, roaming, and handoff: Fast authentication methods for handovers between IEEE](#)



M. S. Bargh, R. J. Hulsebosch, E. H. Eertink, A. Prasad, H. Wang, P. Schoo

October 2004

Proceedings of the 2nd ACM international workshop on Wireless mobil

Publisher: ACM Press

Full text available: [pdf\(257.82 KB\)](#)

Additional Information: [full citation](#), [abstract](#),

Improving authentication delay is a key issue for achieving seamless handovers across network methods when roaming within or across IEEE 802.11 Wireless-LANs. Besides this overview, the enable fast authentication for inter-domain handovers. The paper proposes a number of possibl

Keywords: WLAN, authentication, handover, inter/intra-domain, seamless

2 [Computing curricula 2001](#)



September 2001 **Journal on Educational Resources in Computing (JERIC)**

Publisher: ACM Press

Full text available: [pdf\(613.63 KB\)](#) [html\(2.78 KB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#),

3 [Technical papers: An empirical analysis of the IEEE 802.11 MAC layer handoff process](#)



Arunesh Mishra, Minh Shin, William Arbaugh

April 2003

ACM SIGCOMM Computer Communication Review, Volume 33 Issue 2

Publisher: ACM Press

Full text available: [pdf\(518.81 KB\)](#)

Additional Information: [full citation](#), [abstract](#),

IEEE 802.11 based wireless networks have seen rapid growth and deployment in the recent year when a mobile node moves its *association* from one *access point* to another. In this paper, we provide a detailed breakup of the latency into various components. In particular, we show that a MAC layer

Keywords: IEEE 802.11, association, authentication, handoff, latency, performance, probe, scan

4 [Security in embedded systems: Design challenges](#)




Srivaths Ravi, Anand Raghunathan, Paul Kocher, Sunil Hattangady

August 2004

ACM Transactions on Embedded Computing Systems (TECS), Volume 3 Issue 4

Publisher: ACM Press

Full text available:  [pdf\(3.67 MB\)](#)

Additional Information: [full citation](#), [abstract](#),

Many modern electronic systems---including personal computers, PDAs, cell phones, network r
store, manipulate, or communicate sensitive information, making security a serious concern in
from the electronics, semiconductor, telecommunications, and networking industries, face some

Keywords: Embedded systems, architecture, authentication, battery life, cryptographic algorit
security, security attacks, security protocols, tamper resistance

5 [Java-based mobile agents](#)



David Wong, Noemi Paciorek, Dana Moore

March 1999 **Communications of the ACM**, Volume 42 Issue 3

Publisher: ACM Press

Full text available:  [pdf\(287.69 KB\)](#)  [html\(31.38 KB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



6 [Voice over IP](#)



Upkar Varshney, Andy Snow, Matt McGivern, Christi Howard

January 2002 **Communications of the ACM**, Volume 45 Issue 1

Publisher: ACM Press

Full text available:  [pdf\(113.77 KB\)](#)  [html\(34.89 KB\)](#)

Additional Information: [full citation](#), [abstract](#),

How can voice over the Internet claim a greater share of the worldwide phone market from the
switched telephone network?


7 [Conference abstracts](#)



January 1977

Proceedings of the 5th annual ACM computer science conference

Publisher: ACM Press

Full text available:  [pdf\(3.14 MB\)](#)

Additional Information: [full citation](#), [abstract](#),

One problem in computer program testing arises when errors are found and corrected after a p
area of the code does not adversely affect the execution of another area? What is needed is a c
introduce new errors into the code. This model considers the retest philosophy that every progr

8 [Algorithms and methodologies for new architectures: FlexPath NP: a network processor co](#)



Rainer Ohlendorf, Andreas Herkersdorf, Thomas Wild

September 2005 **Proceedings of the 3rd IEEE/ACM/IFIP international conference on Hal**

Publisher: ACM Press

Full text available:  [pdf\(261.77 KB\)](#)

Additional Information: [full citation](#), [abstract](#),

In this paper, we present a new architectural concept for network processors called FlexPath NP
processor (NP) application sub-functions onto both SW programmable processor (CPU) resource
are forwarded via different, optimized processing paths through the NP. Packets with well unde

Keywords: IP networking, application-specific architectures, dynamically reconfigurable proces

9 [Draft report of the Federal Internetworking Requirements Panel, and selected responses](#)



Diane Fountaine

April 1994 **ACM SIGCOMM Computer Communication Review**, Volume 24 Issue 2

Publisher: ACM Press

Full text available:  [pdf\(4.15 MB\)](#)

Additional Information: [full citation](#), [index terms](#)

10 Queue Focus: Voice Over IP: Not Your Father's PBX?



James E. Coffman

September 2004 **Queue**, Volume 2 Issue 6

Publisher: ACM Press

Full text available: pdf(947.89 KB) html(29.19 KB)

Additional Information: [full citation](#), [index terms](#)

11 Trunking of TDM and narrowband services over IP Networks

James Aweya

January 2003

International Journal of Network Management, Volume 13 Issue 1

Publisher: John Wiley & Sons, Inc.

Full text available: pdf(418.58 KB)

Additional Information: [full citation](#), [abstract](#),

The recent interest in IP as the vehicle for transporting TDM and narrowband services stems from data, and the flexibility with which new services can be introduced. A key step in the evolution interworking of the IP networks with the existing networks and services, particularly with the ci

12 Integrated system interoperability testing with applications to VoIP

Ruibing Hao, David Lee, Rakesh K. Sinha, Nancy Griffeth

October 2004

IEEE/ACM Transactions on Networking (TON), Volume 12 Issue 5

Publisher: IEEE Press

Full text available: pdf(756.12 KB)

Additional Information: [full citation](#), [abstract](#),

This work has been motivated by the need to test interoperability of systems carrying voice call and interoperate with the existing public switched telephone network (PSTN) before they are w unfortunately different standards bodies and commercial consortiums have defined different sta

Keywords: VoIP, coverage, integrated system, interoperability testing, redundancy

13 An open architecture for next-generation telecommunication services



Gregory W. Bond, Eric Cheung, K. Hal Purdy, Pamela Zave, J. Christopher Ramming

February 2004

ACM Transactions on Internet Technology (TOIT), Volume 4 Issue 1

Publisher: ACM Press

Full text available: pdf(237.24 KB)

Additional Information: [full citation](#), [abstract](#),

An open (in the sense of extensible and programmable) architecture for IP telecommunications interaction. We describe our experience with BoxOS, an IP telecommunication platform that im problems, common to all efforts in IP telecommunications, of feature distribution, interoperabili deficiencie ...

Keywords: Component architectures, Intelligent Network architecture, Session Initiation Proto systems, network addressing, network interoperation, network optimization, network protocols,

14 Queue Focus: Voice Over IP: VoIP Security: Not an Afterthought



Douglas C. Sicker, Tom Lookabaugh

September 2004 **Queue**, Volume 2 Issue 6

Publisher: ACM Press

Full text available: pdf(990.55 KB) html(30.71 KB)

Additional Information: [full citation](#), [index terms](#)

15 Internetworking using switched multi-megabit data service in TCP/IP environments



David M. Piscitello, Michael Kramer

July 1990

ACM SIGCOMM Computer Communication Review, Volume 20 Issue 3

Publisher: ACM Press

Full text available: pdf(862.08 KB)

Additional Information: [full citation](#), [abstract](#),

TCP/IP based networks were among the earliest and most successful applications of Local Area ground for emerging high performance transmission technologies as well as the distributed pro become increasingly available in the next decade, consumer demand for high performance tran user ...

16 Security in mobile communications: challenges and opportunities

Audun Jøsang, Gunnar Sanderud

January 2003

Proceedings of the Australasian information security workshop confere

Publisher: Australian Computer Society, Inc.

Full text available: pdf(117.04 KB)

Additional Information: [full citation](#), [abstract](#),

The nature of mobile communication, characterised for example by terminals having poor user network protocols, makes the design of security solutions particularly challenging. This paper d some advantages mobile networks offer when designing security solutions for mobile communic

Keywords: heterogeneous networks, mobile devices, security, usability

17 Bibliography of recent publication in computer networking



July 1989 **ACM SIGCOMM Computer Communication Review**, Volume 19 Issue 3

Publisher: ACM Press

Full text available: pdf(2.53 MB) Additional Information: [full citation](#), [index terms](#)

18 A cable-bus protocol architecture



David C. Wood, Steven F. Holmgren, Anita P. Skelton

November 1979

Proceedings of the sixth symposium on Data communications

Publisher: ACM Press

Full text available: pdf(1.04 MB)

Additional Information: [full citation](#), [abstract](#),

The benefits of general-purpose local networks are discussed and the requirements that such n described and the major design parameters identified. The role of the local network is to provid role is performed is a function of the protocol design and implementation. MITRE's Cablenet is c

19 Construction of internet for Japanese academic communities



J. Murai, H. Kusumoto, S. Yamaguchi, A. Kato

August 1989

Proceedings of the 1989 ACM/IEEE conference on Supercomputing

Publisher: ACM Press

Full text available: pdf(1.29 MB)

Additional Information: [full citation](#), [abstract](#),

WIDE (Widely Integrated Distributed Environment) is a research project aimed at achieving a ti elements with the consideration of various types of connections for internetworking. The target research communities especially in Japan. The WIDE project started its research activities at th

20 Design and performance evaluation of a new medium access control protocol for local wire

Dong Guen Jeong, Chong-Ho Choi, Wha Sook Jeon

December 1995 **IEEE/ACM Transactions on Networking (TON)**, Volume 3 Issue 6

Publisher: IEEE Press